Transfer Credit Ohio

Ohio Guaranteed Transfer Pathways

STATEWIDE

Computer Science

Associate of Arts or Associate of Science

LAST REVISED: January 4, 2024

There are different computing disciplines: Computer Science emphasizes mathematical concepts related to designing new technology. Information Systems focuses on application of the information aspects of information technology, whereas Information Technology emphasizes the application of the technology itself more than the information it conveys.

Computer Science involves design and innovation developed from computing principles. It focuses on the theoretical foundations of computing, algorithms, and programming techniques, as applied to operating systems, artificial intelligence, informatics and other emerging areas. Computer scientists should be prepared to work in a broad range of positions involving tasks from theoretical work to software development. Computer science programs typically require significant mathematical background.

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		CREDIT HOURS
ENGLISH COMPOSITION AND ORAL COMMUNICATION		**3**
Course 1:	Any Ohio Transfer 36 approved First Writing (TME001) course	3
MATHEMATICS, STATISTICS, AND LOGIC		**4-5**
Course 1:	Calculus I (TMM005)[1]	4-5
ARTS AND HUMANITIES		**6**
+ Course 1:	Any Ohio Transfer 36 approved Arts and Humanities course	3
+ Course 2:	Any Ohio Transfer 36 approved Arts and Humanities course	3
SOCIAL AND BEHAVIORAL SCIENCES		**6**
+ Course 1:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	3
+ Course 2:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	3
NATURAL SCIENCES		**7-10**
Course 1:	General Chemistry I (OSC008) or Calculus-based Physics I (OSC016)[2]	4-5
Course 2:	Any Ohio Transfer 36 approved Natural Sciences course[2]	3-5
ADDITIONAL CREDITS		**10-12**
Course 1:	Calculus II (TMM006)	4-5
Course 2:	Public Speaking (OCM013), Oral Communication, or Second Writing (TME002) course	3
Course 3:	Ohio Transfer 36 approved elective [Recommended: Introduction to Ethics (OAH046) or Introduction to Logic (OAH061)]	3
GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL		**36-42**

Advising Notes:
Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors.
(+) indicates that the courses chosen should be from two different areas within that category.
[1] A prerequisite may be needed for a student to reach Calculus I (TMM005).
[2] The Ohio State University and Cleveland State University require Physics (OSC016). The University of Cincinnati requires Chemistry (OSC008). Some institutions require a full year sequence or both along with biology. Check with your academic advisor and your receiving institution to determine the appropriate science courses.

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PRE-MAJOR/BEGINNING MAJOR		CREDIT HOURS
Course 1:	Discrete Mathematics (TMM023)	3-4
Course 2:	Computer Science I (OCS001)	3-4
Course 3:	Computer Science II (OCS002)	3-4
Course 4:	Data Structures (OCS003)	3-4
PRE-MAJOR/BEGINNING MAJOR TOTAL		**12-16**

OTHER RECOMMENDATIONS		CREDIT HOURS
Courses:	Electives (Recommended: Introduction to Computer Science if offered, Elementary Linear Algebra (OMT019), and/or Computer Organization/Architecture)[1]	7-12
OTHER RECOMMENDATIONS TOTAL		**7-12**

Advising Notes:
[1] Additional recommended pre-major/major coursework is institution specific. Requirements may vary by institution. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	TOTAL CREDIT HOURS
ASSOCIATE DEGREE TOTAL	**60-65**